

SEQUENCE LISTING

<110> Cao, Liangxian  
Trifillis, Panayiota

<120> METHODS FOR IDENTIFYING COMPOUNDS THAT MODULATE UNTRANSLATED REGION-DEPENDENT GENE EXPRESSION AND METHODS OF USING SAME

<130> 10589-012-999

<140> US 10/543,033  
<141> 2004-01-21 (371c date)

<150> PCT/US2004/001643  
<151> 2004-01-21

<150> 60/441,637  
<151> 2003-01-21

<160> 90

<170> PatentIn version 3.2

<210> 1  
<211> 14  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: consensus G-quartet element from synthetic sequences

<220>  
<221> misc\_feature  
<222> 3, 7, 8, 11  
<223> n = a, t, c, or g

<220>  
<221> misc\_feature  
<222> (7)..(8)  
<223> This represents one form of the sequence as described, other forms described may have up to five nucleotides in this variable region

<400> 1  
ggntggnnngg ntgg

14

<210> 2  
<211> 14  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Description of Artificial Sequence: synthetic G-quartet oligonucleotide

<220>  
<221> misc\_feature  
<222> 3, 4, 7, 8, 11, 12  
<223> n = a, t, g or c

<220>  
 <221> misc\_feature  
 <222> 3, 4, 7, 8, 11, 12  
 <223> This represents one form of the sequence as described, other forms  
       described have longer variable regions, typical is 2 - 10  
       nucleotides

<400> 2  
 ggnnggnngg nngg

14

<210> 3  
 <211> 61  
 <212> DNA  
 <213> Artificial Sequence

<220>  
 <223> Description of Artificial Sequence: Antisense minus uORF NcoI primer

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60

g

61

<210> 4  
 <211> 19  
 <212> RNA  
 <213> Oryctolagus cuniculus

<220>  
 <223> subunit of 15-LOX-DICE

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 ccccrccuc uuccccaaag

19

<210> 5  
 <211> 152  
 <212> DNA  
 <213> Homo sapiens

<400> 5  
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 gacgccacat cccctgacaa gctgccagc agttcttctt cctctcacat actgaccac

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ggctccaccc tctctcccct ggaaaggaca cc

120

152

<210> 6  
 <211> 792  
 <212> DNA  
 <213> Homo sapiens

<400> 6  
 tgaggaggac gaacatccaa cttcccaa cgcctccct gccccatcc ctttattacc  
 ccctccttca gacaccctca acctttctg gtcaaaaaag agaattgggg gcttagggtc

60

ggaacccaag cttagaactt taagcaacaa gaccaccact tcgaaacctg ggattcagga

120

atgtgtggcc tgcacagtga attgtggca accactaaga attcaactg gggcctccag

180

aactcactgg ggcctacagc tttatccct gacatctggg atctggagac cagggagcct

240

ttgggttctgg ccagaatgct gcaggacttg agaagaccc acctagaaat tgacacaagt

300

360

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atttatctga	ttaagttgtc	taaacaatgc	tgatttggtg	accaactgtc	actcattgtc	720
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<211>	21					
<212>	RNA					
<213>	Homo sapiens					
<220>						
<223>	Group I AU-Rich element (ARE) cluster of 3'untranslated region					
<400>	7					21
auuuuuuuau	uuauuuuuuu	a				
<210>	8					
<211>	40					
<212>	DNA					
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<213>	Homo sapiens					
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accctgatac	aggcatggca	gaagaatggg	aatattttat	actgacagaa	atcagtaata	180
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cgagcaaaat	ttaagctaca	acaaggcaag	gcttgaccga	caattgcatt	aagaatctgc	180
ttagggtag	gcgtttcg	ctgcttcg	atgtacgggc	cagatatacg	cggtgacatt	240
gattattgac	tagtattaa	tagtaatcaa	ttacgggtgc	attagttcat	agcccatata	300
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 <212> DNA  
 <213> Homo sapiens

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47

<210> 12  
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<212> DNA  
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<210> 13  
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 <212> RNA  
 <213> Homo sapiens

<220>  
 <223> Group III AU-Rich element (ARE) cluster of 3'untranslated region

<220>  
 <221> misc\_feature  
 <222> (1)..(15)  
 <223> n = a, u, g or c

<400> 13  
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<210> 14  
 <211> 62  
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 <213> Homo sapiens

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 tcttggaaag tgttaggctt cctcaaataa atggctaact tatacatatt tttaaagaaa 360  
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 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Expression Vector pCMR2

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				97
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ctgttgcgga	gaaaggagtc	atacttgtga	agacttttat	gtcactactc
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<210> 75
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<210> 76
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<223> Description of Artificial Sequence: Primer for luciferase
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<223> Description of Artificial Sequence: Primer for luciferase
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<210> 78

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<211> 22
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<223> Description of Artificial Sequence: 5'UTR reverse oligo

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<210> 82
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<220>  
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<210> 89  
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<220>  
<223> Description of Artificial Sequence: PCR primer (Antisense/KpnI)

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<210> 90  
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<220>  
<223> Description of Artificial Sequence: sense minus uORF HindIII primer

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